3.2 Assignment

Write each answer as a simplified polynomial in standard form for the variable x.

1. $x + 3x^3 - 4 + x^2 + 2x^3$ **2.** $4 + x^2 + 3 - 2x^2 + 4x^2$

5. $(5x^2 - 7x) + (x^2 + 3x)$ **6.** $(4x^3 + 7) + (3x^3 - 4)$

9. $(2x + 14) - (x - 7)$ **10.** $(5x^2 - 5x) - (5x^2 - 5x)$

11. $(15x^3 + 12x^2 - 3xy) - (8x^3 - 3x^2 + 2xy)$

12. $(x + 6x^2y - 3x - 4x^3) + (x^2y + x^2 + 5x)$

Simplify.

15. $(2a + 4) + (3a + 9)$ **16.** $(5p + q) + (2p + 2q)$

17. $(3x^2 + 2x) + (-x^2 + 5x)$ **18.** $(4h - 2g + k) + (h + 3j - 2k)$

19. $(5t + 7) - (3t + 2)$ **20.** $(3r + 2s) - (2r - s)$

21. $(4m^2 + 3n) - (-m^2 + 3n)$ **22.** $(y^2 - 2y + 3) - (-y^2 + y - 5)$

23. $(y^2 - 15x + 2x^2) - (7x - 2y^2 + x^2)$ **24.** $(12r^2 - 12rs + s^2) + (3r^2 - 4s)$

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